

## CLAIMS

1. A device for programming a pump used to inject  
5 medicaments into a patient's body, said pump being  
made up of two connectable units, namely:
  - a cartridge unit (12) which contains a liquid to  
be injected and which comprises an electronic  
10 memory (36) intended to contain data relating to  
the treatment that the patient is to receive, and
  - a pump unit (10) comprising actuation means (18)  
which act on the cartridge unit (12) in order to  
15 convey the liquid outward, a microprocessor which  
is used to control said means using the data  
contained in said memory (36), and a source of  
electrical energy,
- 20 characterized in that it comprises:
  - a computer (46) which is used to produce said  
data, and
  - 25 - a first interface (50) which can be connected to  
the computer in order to receive said data and  
which is designed to be connected to the  
cartridge unit (12) in place of the pump unit  
(10) in order to introduce the data into its  
30 memory (36).
2. The device as claimed in claim 1, for programming a  
pump whose pump unit (10) comprises an electronic  
memory intended to contain safety data,  
35 characterized in that it comprises a second  
interface (48) which can be connected to the  
computer (46) in order to receive said data and

which is designed to be connected to the pump unit (10) in place of the cartridge unit (12) in order to introduce the data into its memory.

- 5     3.     The device as claimed in claim 2, for programming a pump in which the energy source is an accumulator, characterized in that the second interface (48) is equipped with means for recharging said accumulator.
- 10    4.     The device as claimed in one of claims 1 through 3, for programming a pump whose pump unit (10) and cartridge unit (12) are linked by means of a bayonet articulation comprising a male part and a female part, characterized in that the first interface (50)  
15       comprises the same articulation part (24) as the pump unit (10), while the second interface (48) comprises the same articulation part (34) as the cartridge unit (12).
- 20    5.     The device as claimed in one of claims 1 through 4, for programming a pump in which the memory of the cartridge unit (12) is a SIM card (32) and the pump unit (10) comprises a connector (22) linked to its microprocessor and positioned in such a way that,  
25       upon connection of the two units, its contact regions make precise contact with the regions of said SIM card, characterized in that said first interface (50) comprises a connector (62) positioned in such a way that, when the interface and the  
30       cartridge unit (12) are joined together, its contact regions make precise contact with the SIM card (32).
- 35    6.     The device as claimed in claim 5, characterized in that said second interface (48) comprises a connector (56) positioned in such a way that, when the interface and the pump unit (10) are joined together, its contact regions make precise contact

with the connector (22) of the pump unit.

7. The device as claimed in one of claims 1 through 6,  
characterized in that it comprises means (68, 70)  
5 for remote initiation of a transfer of data between  
the computer (46) and the memory (36) of the  
cartridge unit (12).
8. The device as claimed in claim 7, characterized in  
10 that said transfer of data is in two directions.